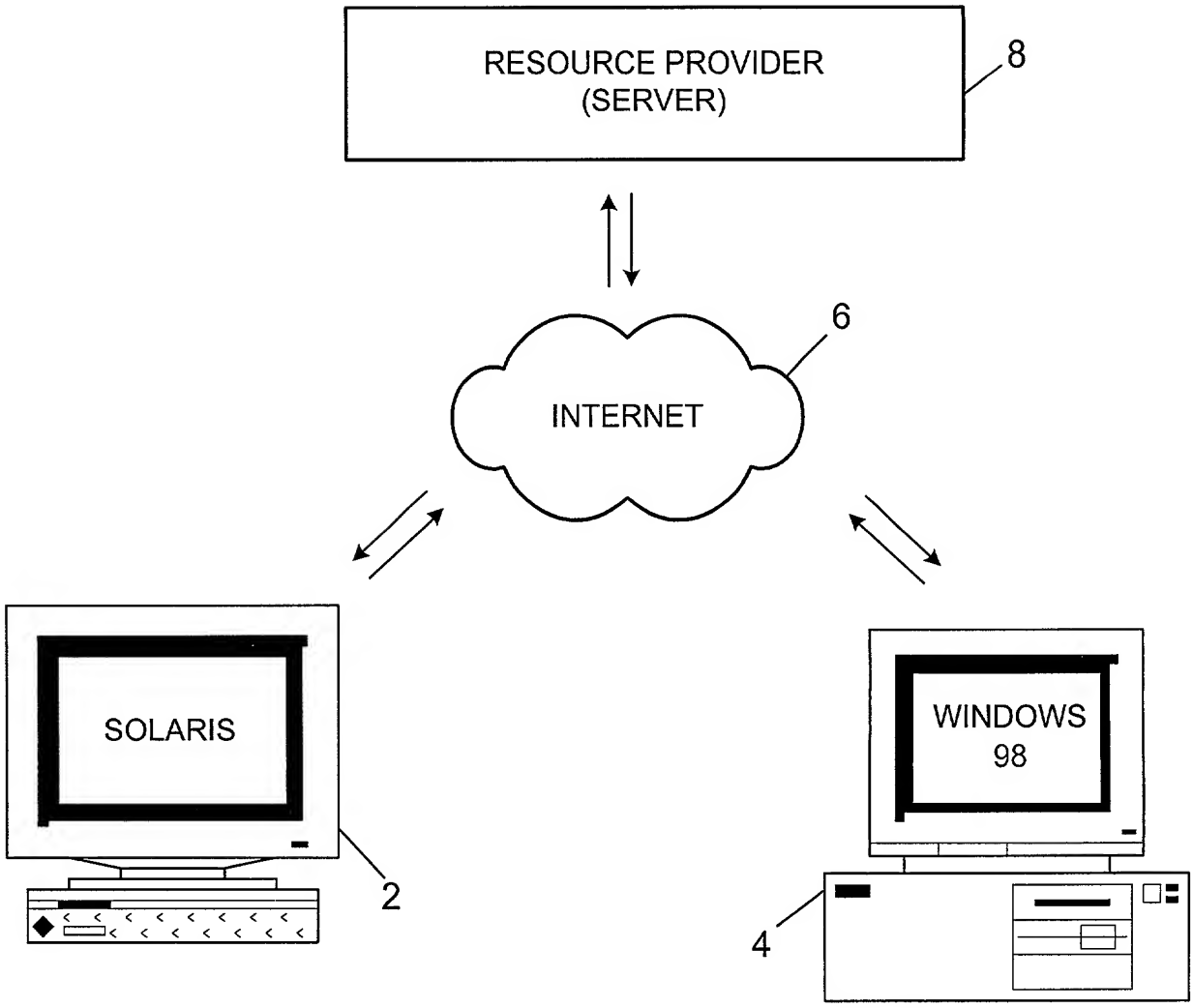
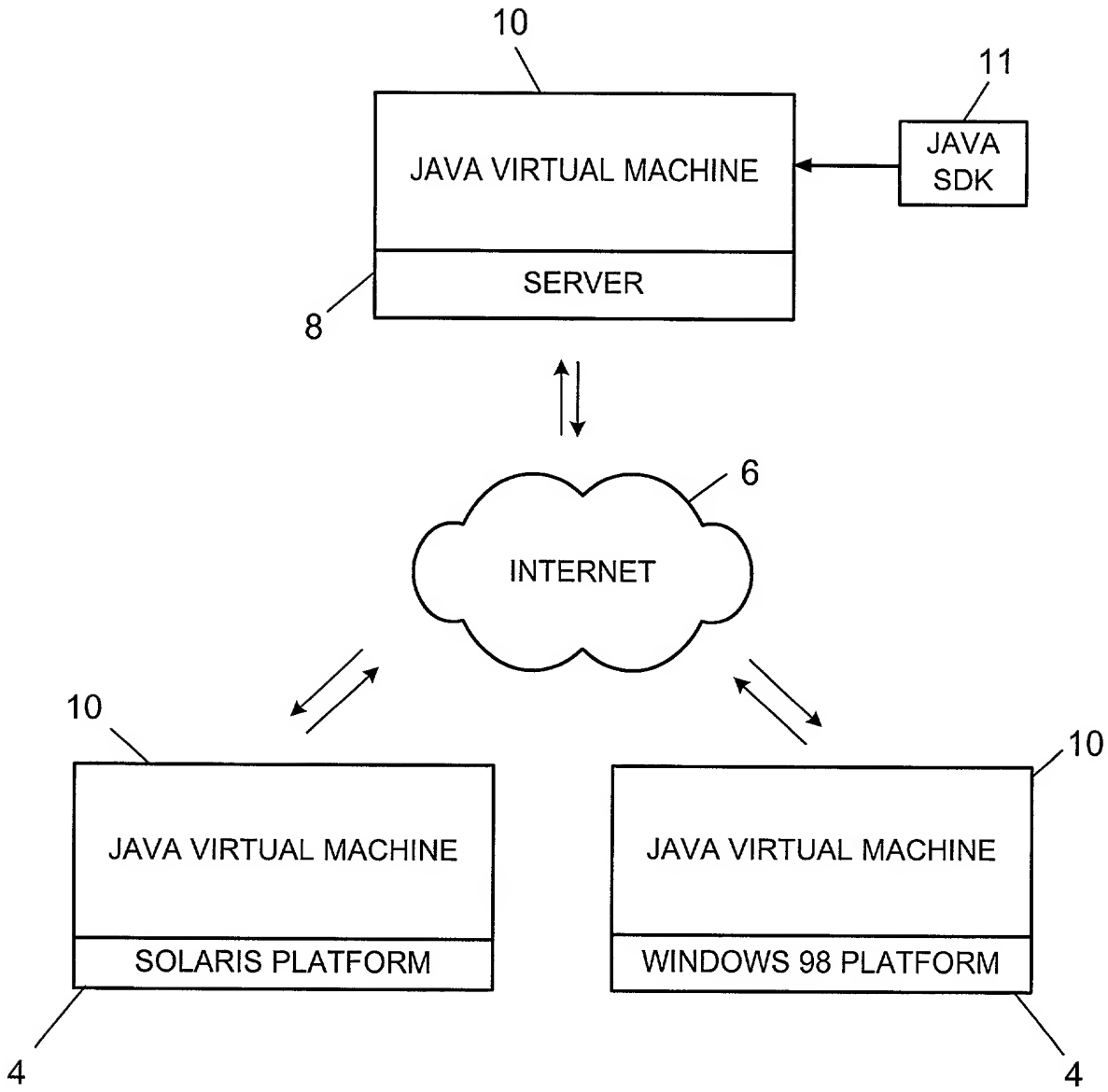
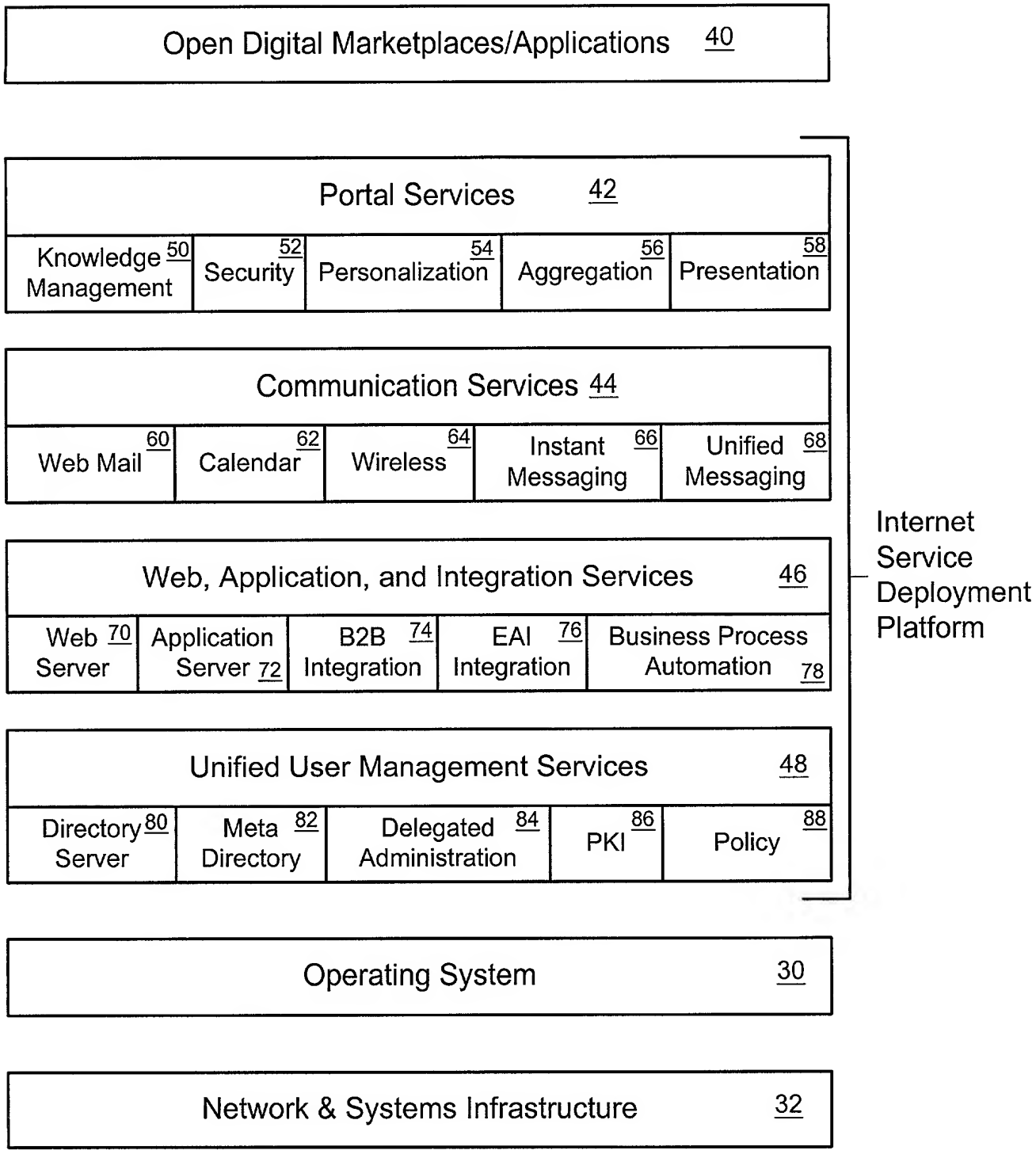


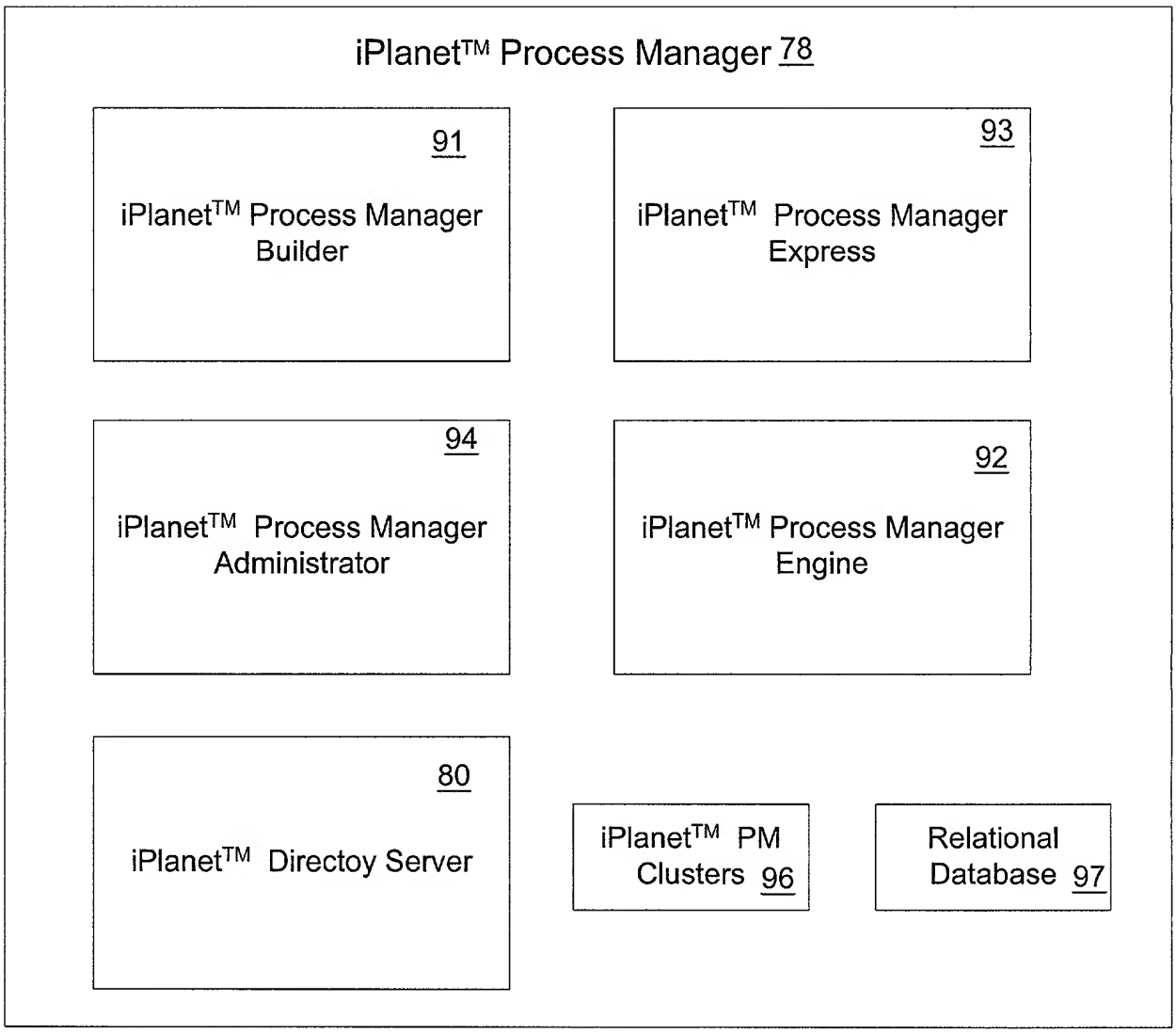
(PRIOR ART)
FIGURE 1



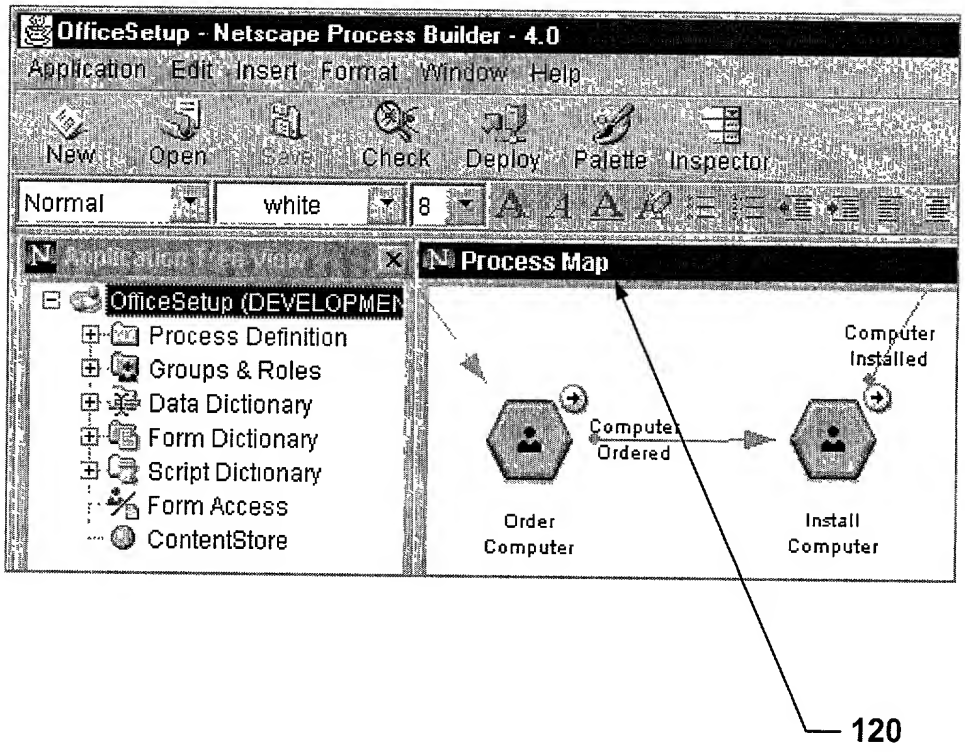
(PRIOR ART)
FIGURE 2



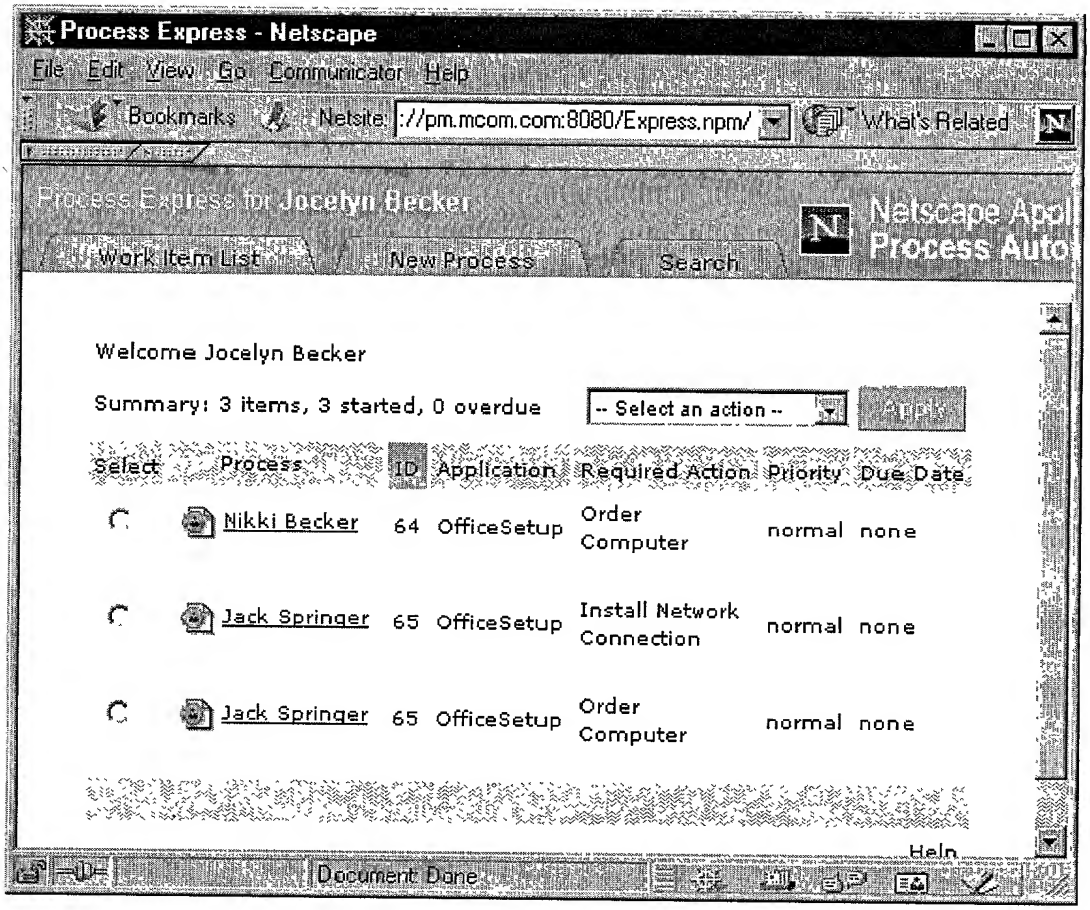
(PRIOR ART)
FIGURE 3



(PRIOR ART)
FIGURE 4

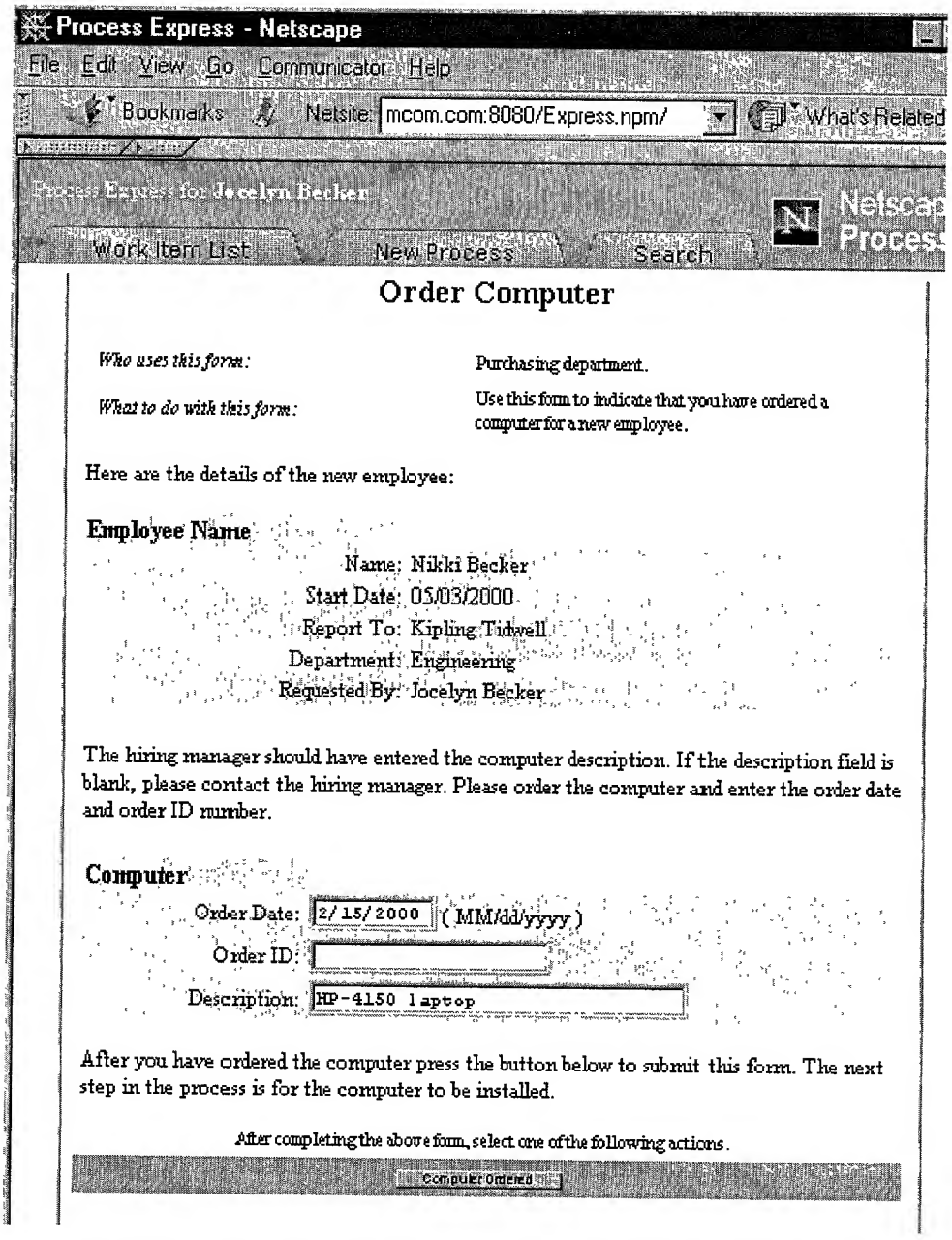


(PRIOR ART)
FIGURE 5



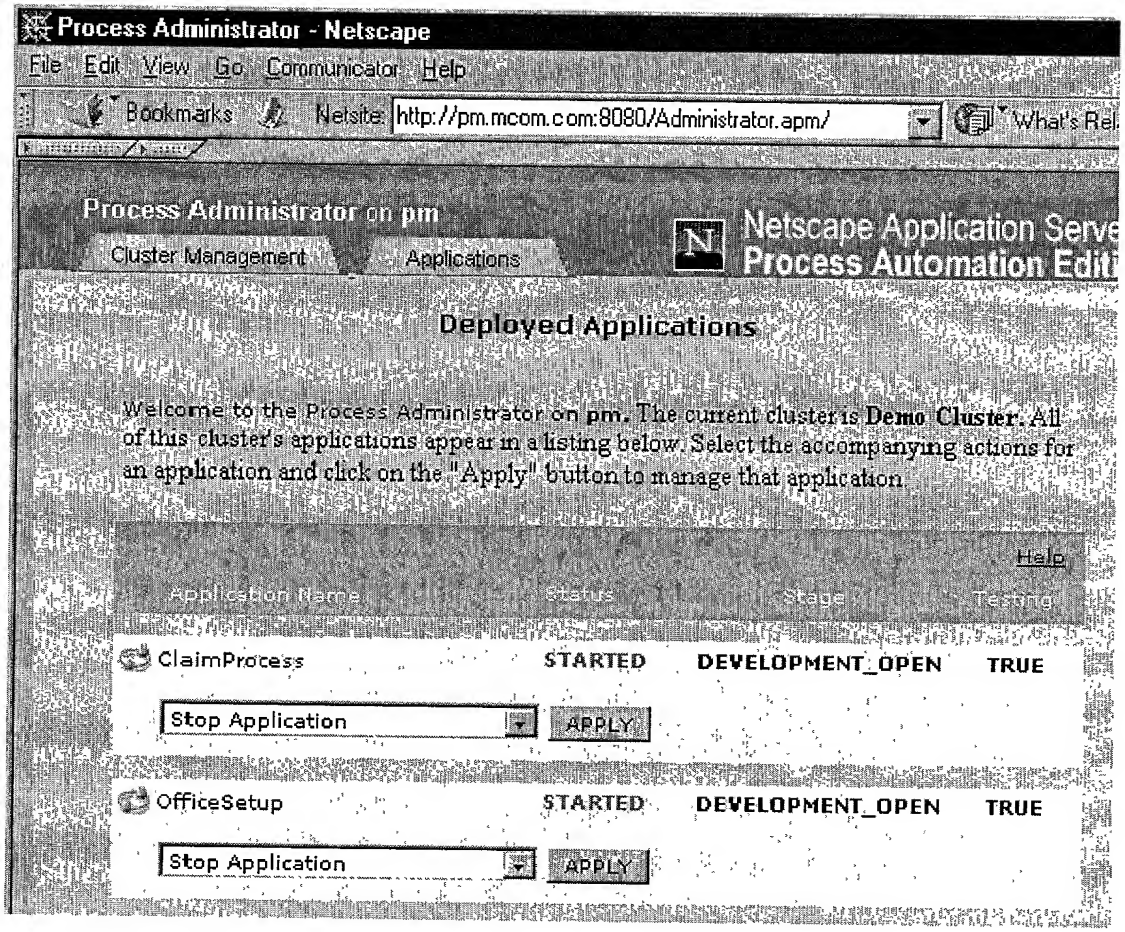
(PRIOR ART)

FIGURE 6



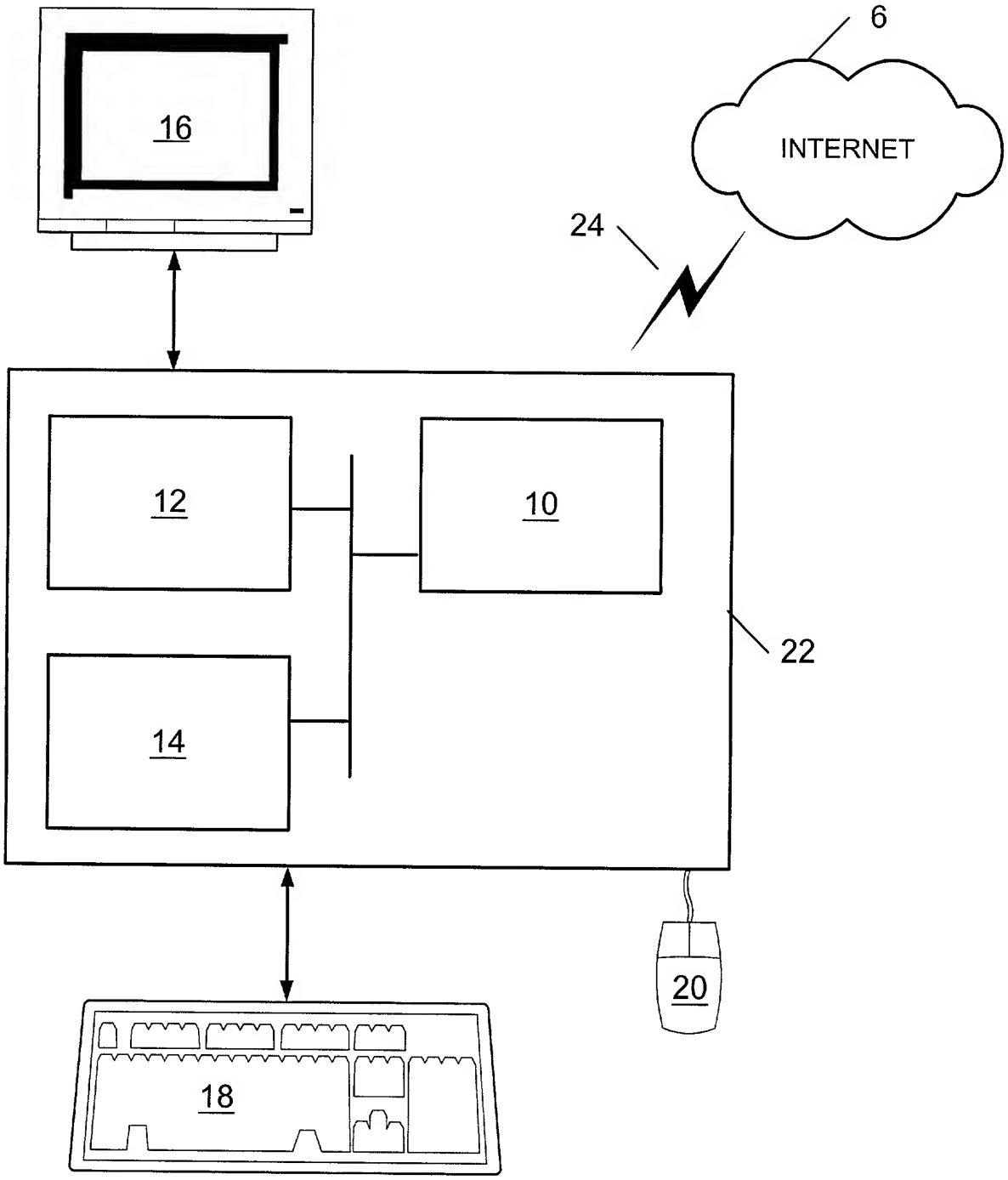
(PRIOR ART)

FIGURE 7



(PRIOR ART)

FIGURE 8



(PRIOR ART)
FIGURE 9

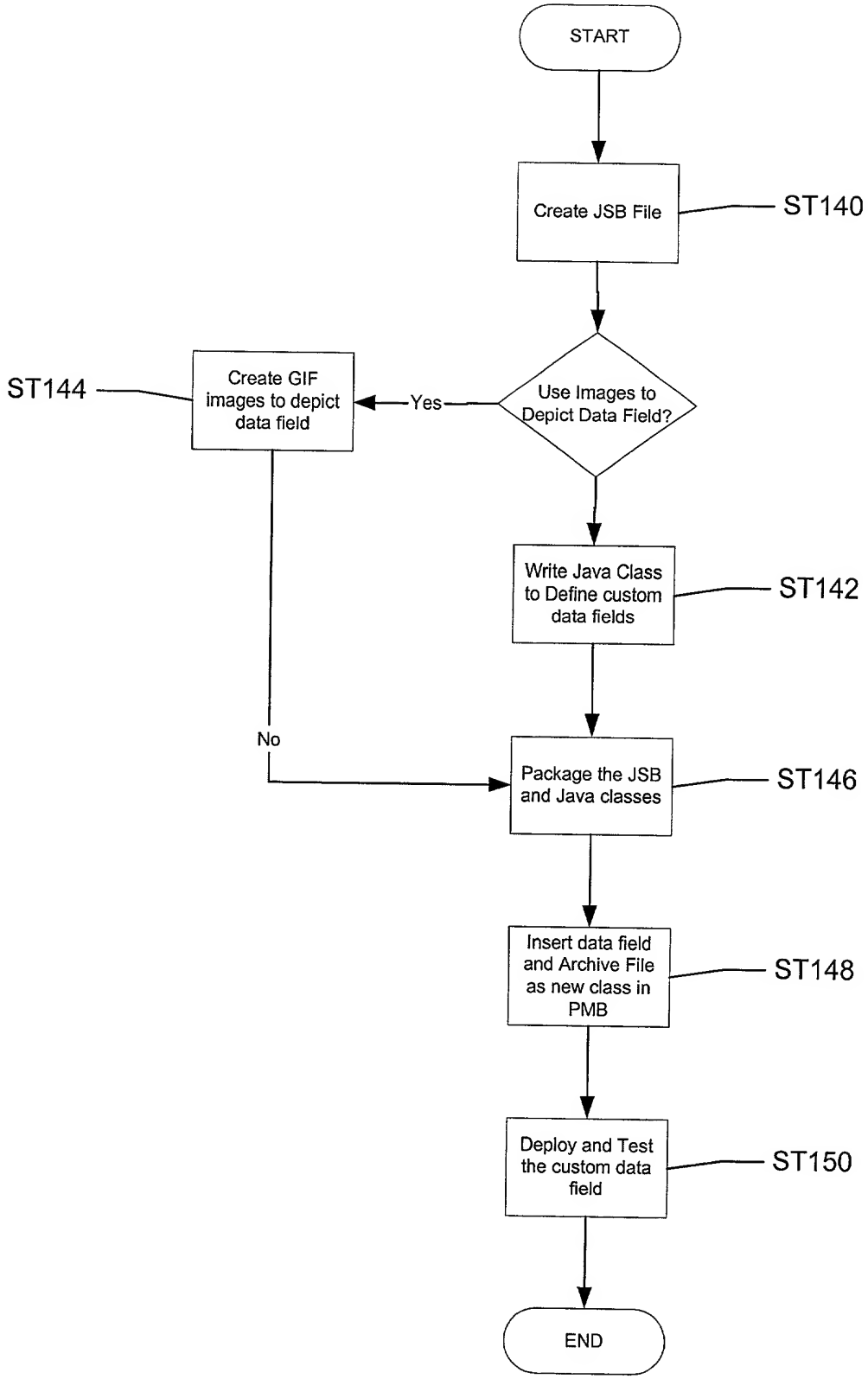

START
Create JSB File
ST140
Use Images to Depict Data Field?
Yes
Create GIF images to depict data field
ST144
Write Java Class to Define custom data fields
ST142
No
Package the JSB and Java classes
ST146
Insert data field and Archive File as new class in PMB
ST148
Deploy and Test the custom data field
ST150
END

FIGURE 10

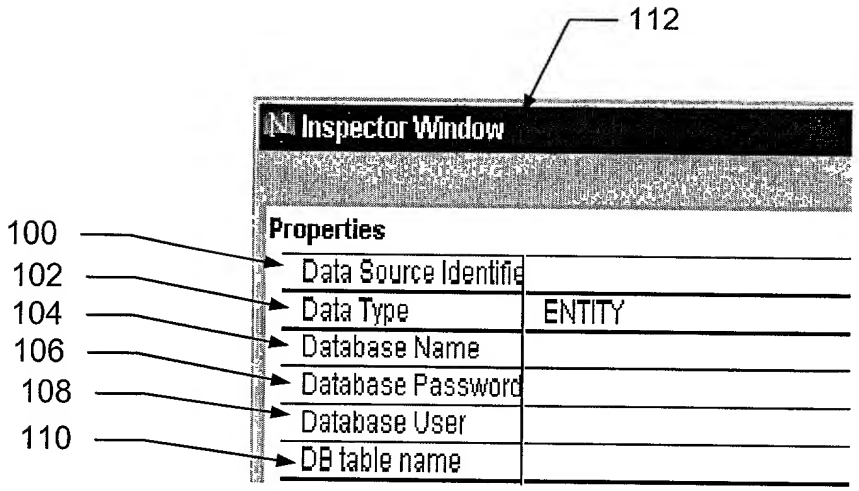

112
Inspector Window
Properties
100
102
104
106
108
110
Data Source Identifie
Data Type
ENTITY
Database Name
Database Password
Database User
DB table name

FIGURE 11

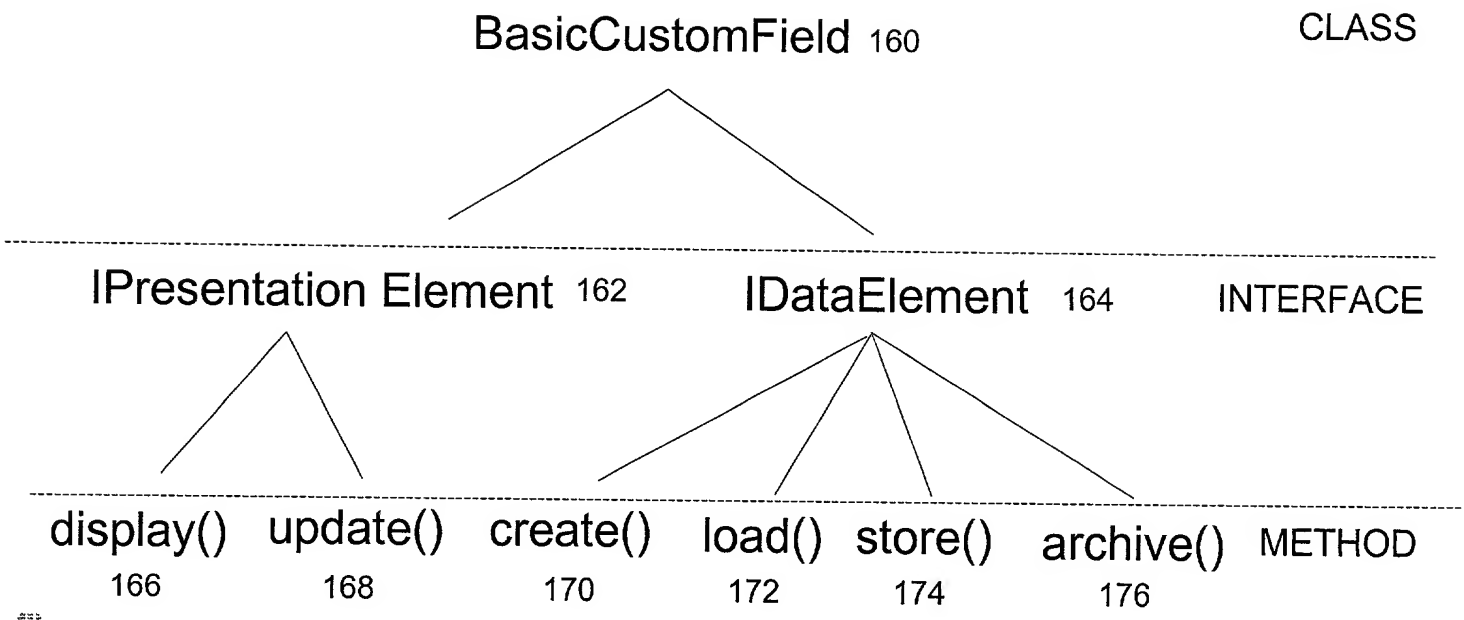

BasicCustomField 160
CLASS
IPresentation Element 162
IDataElement 164
INTERFACE
display()
166
update()
168
create()
170
load()
172
store()
174
archive()
176
METHOD

FIGURE 12

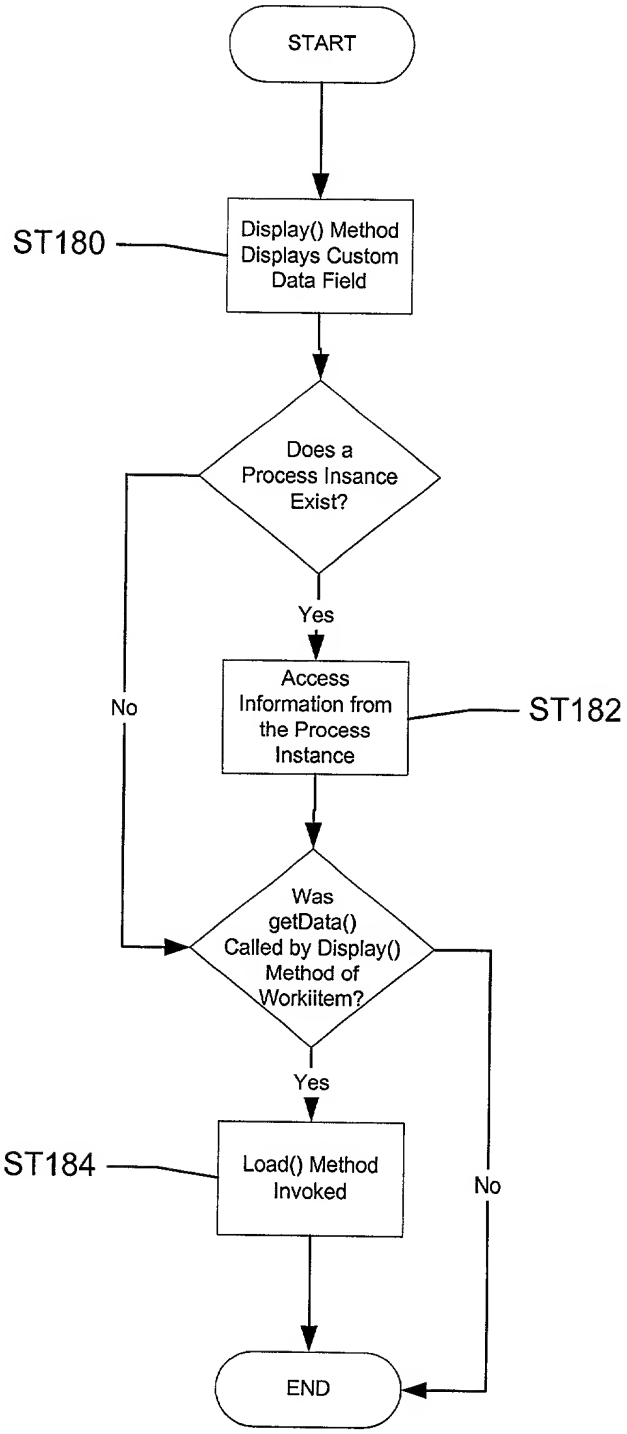

START
ST180
Display() Method Displays Custom Data Field
Does a Process Insance Exist?
Yes
No
Access Information from the Process Instance
ST182
Was getData() Called by Display() Method of Workiitem?
Yes
No
ST184
Load() Method Invoked
END

FIGURE 13

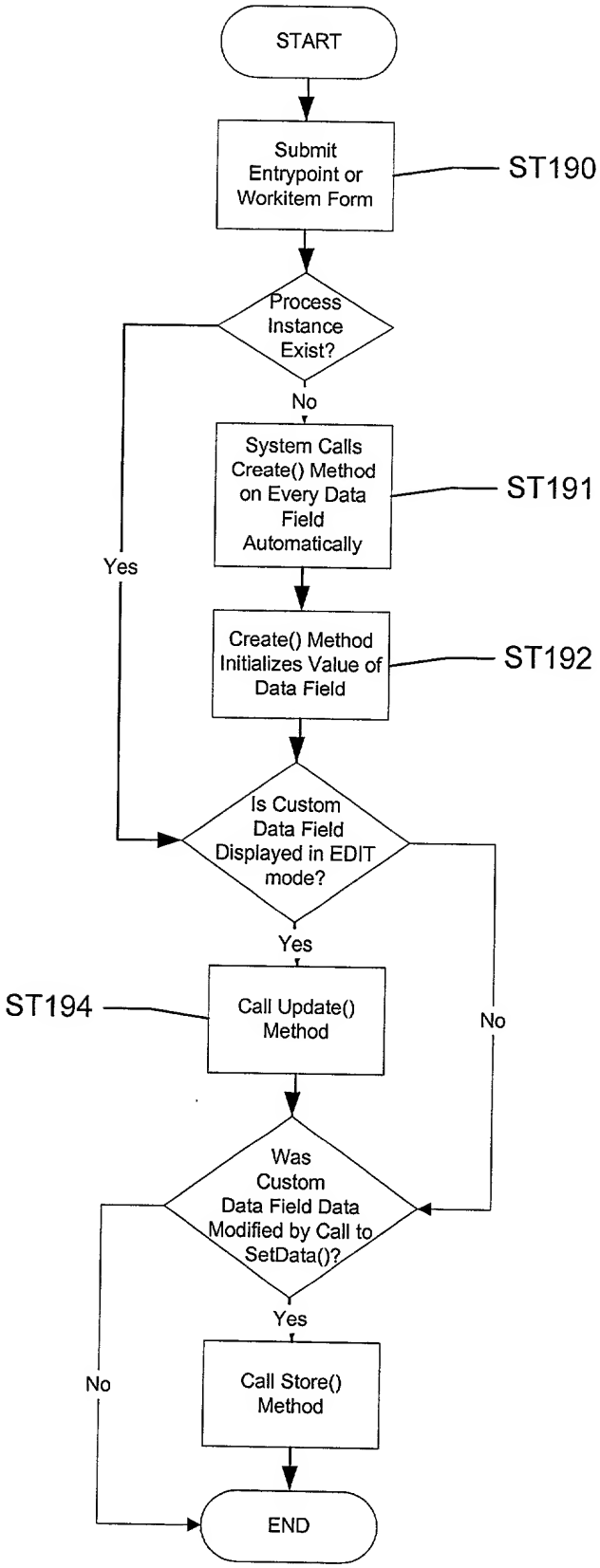

START
Submit Entrypoint or Workitem Form
ST190
Process Instance Exist?
No
System Calls Create() Method on Every Data Field Automatically
ST191
Yes
Create() Method Initializes Value of Data Field
ST192
Is Custom Data Field Displayed in EDIT mode?
Yes
ST194
Call Update() Method
No
Was Custom Data Field Data Modified by Call to SetData()?
Yes
No
Call Store() Method
END

FIGURE 14

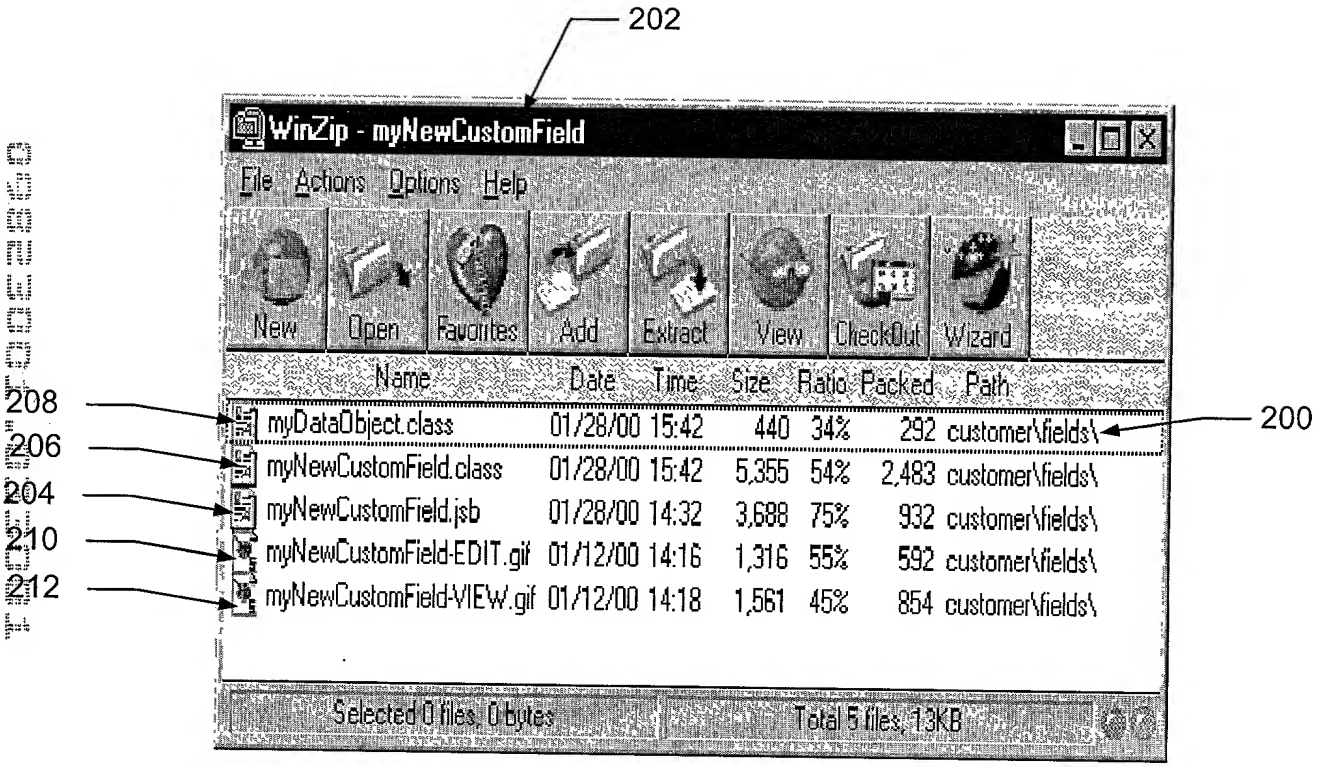

202
WinZip - myNewCustomField
File Actions Options Help
New Open Favorites Add Extract View CheckOut Wizard
Name Date Time Size Ratio Packed Path
208
206
204
210
212
200
myDataObject.class 01/28/00 15:42 440 34% 292 customer\fields\
myNewCustomField.class 01/28/00 15:42 5,355 54% 2,483 customer\fields\
myNewCustomField.jsb 01/28/00 14:32 3,688 75% 932 customer\fields\
myNewCustomField-EDIT.gif 01/12/00 14:16 1,316 55% 592 customer\fields\
myNewCustomField-VIEW.gif 01/12/00 14:18 1,561 45% 854 customer\fields\
Selected 0 files, 0 bytes
Total 5 files, 13KB

FIGURE 15

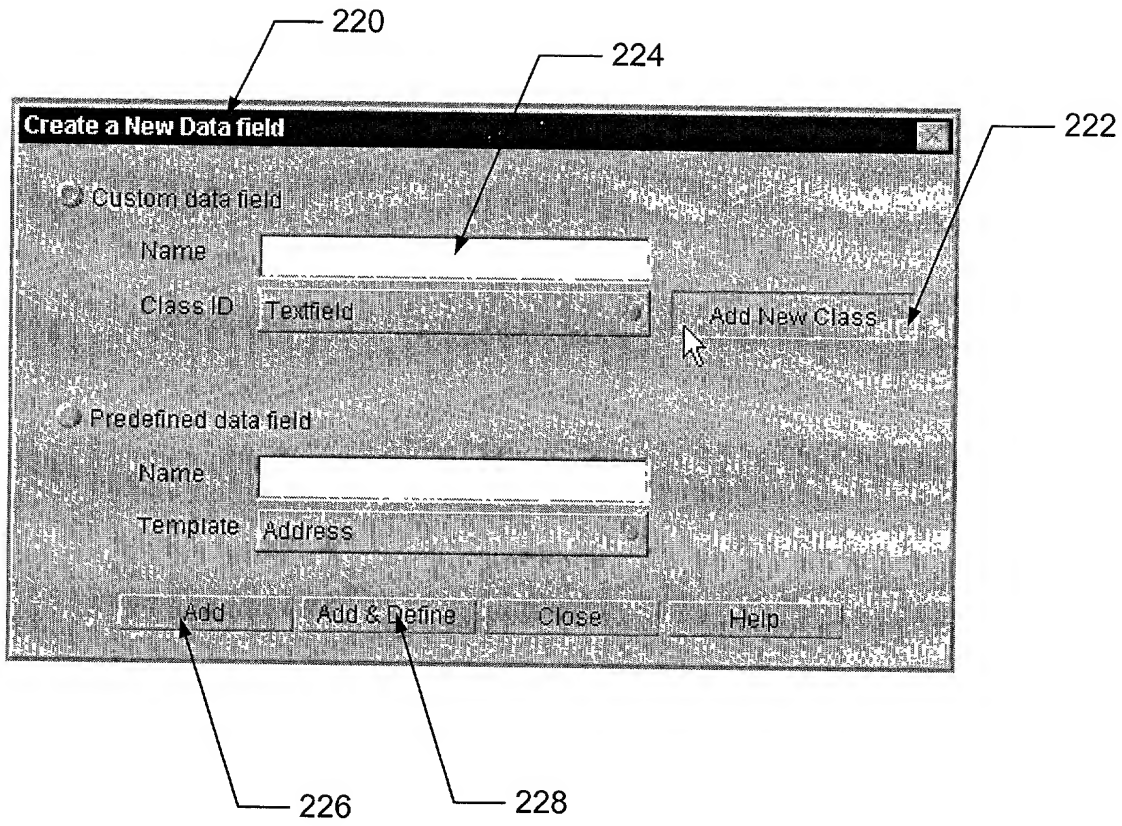

220
224
222
Create a New Data field
Custom data field
Name
Class ID
Textfield
Add New Class
Predefined data field
Name
Template
Address
Add
Add & Define
Close
Help
226
228

FIGURE 16

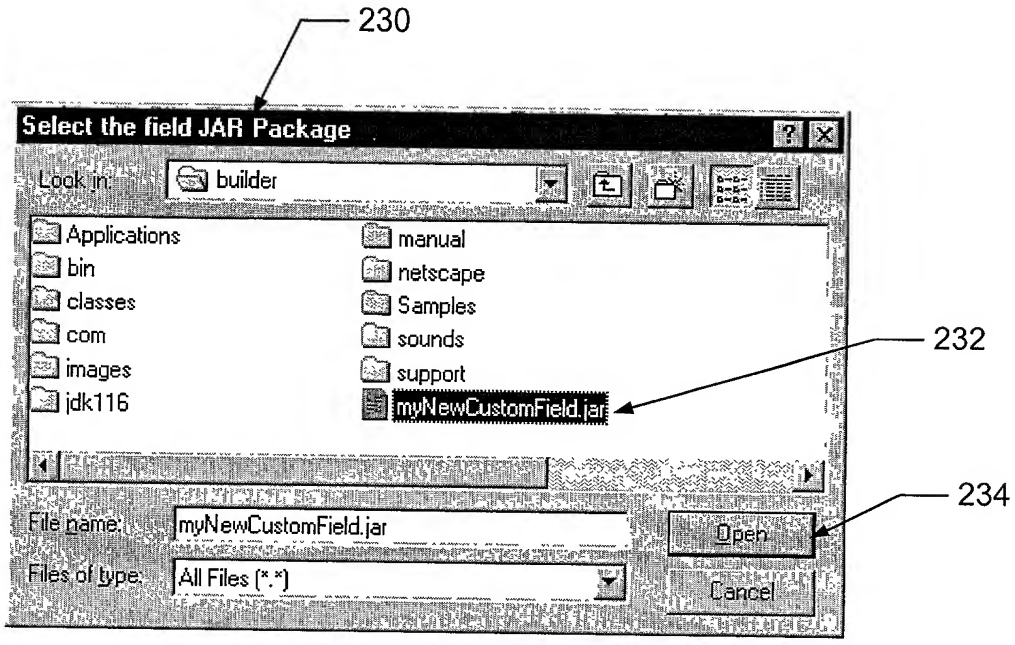

230
Select the field JAR Package
Look in:
builder
Applications
bin
classes
com
images
jdk116
manual
netscape
Samples
sounds
support
myNewCustomField.jar
232
File name:
myNewCustomField.jar
Open
234
Files of type:
All Files (*.*)
Cancel

FIGURE 17

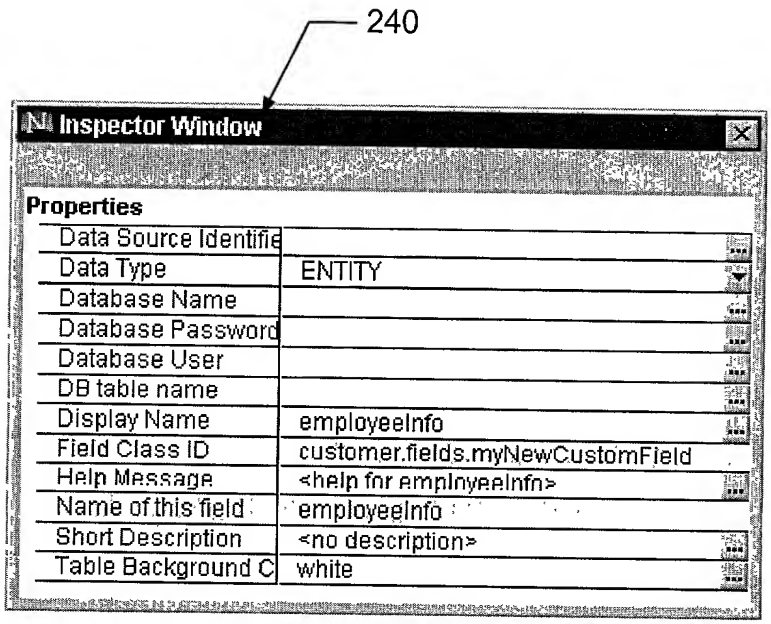

240
Inspector Window
Properties
Data Source Identifie
Data Type
ENTITY
Database Name
Database Password
Database User
DB table name
Display Name
employeeInfo
Field Class ID
customer.fields.myNewCustomField
Help Message
<help for employeeInfo>
Name of this field
employeeInfo
Short Description
<no description>
Table Background C
white

FIGURE 18

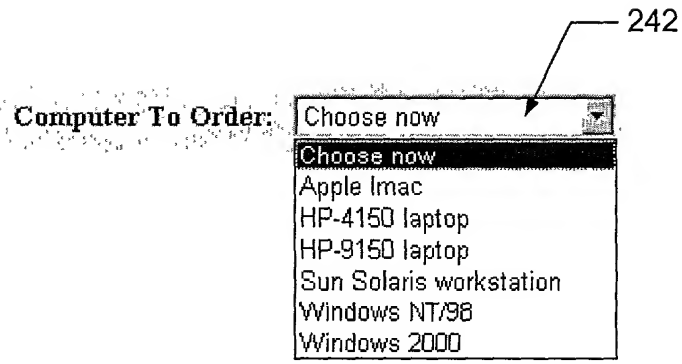

242
Computer To Order:
Choose now
Choose now
Apple Imac
HP-4150 laptop
HP-9150 laptop
Sun Solaris workstation
Windows NT/98
Windows 2000

FIGURE 19

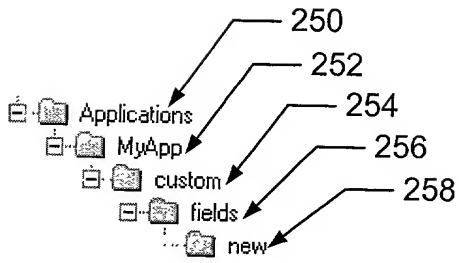


FIGURE 20